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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

Rex D. Ramsier et al

Serial No: 10/556,650

Filed: December 26, 2006

For: SOLID STATE GAS SENSORS  
BASED ON TUNNEL JUNCTION  
GEOMETRY

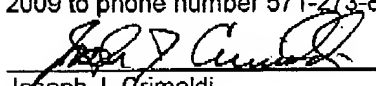
Group Art Unit: 2855

Confirmation No: 6590

Examiner: Michael Cygan

**CERTIFICATE OF FACSIMILE  
TRANSMISSION**

I hereby certify that this correspondence was transmitted to the United States Patent and Trademark Office via facsimile on February 25, 2009 to phone number 571-273-8300.

  
Joseph J. Grimaldi

**REPLY TO OFFICE ACTION DATED SEPTEMBER 25, 2008**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is responsive to the Office Action dated September 25, 2008, for which a three (3) month period of response was given. A Petition and fee for a two (2) month extension of time accompany this paper. The Applicants, by and through their attorney, respond as follows:

**Amendment to the Claims** are reflected in the Listing of The Claims that begin on page 2 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.